

SYSTEM FOR NEGOTIATION USING GRAPHS

Abstract of Disclosure

A negotiation is carried out between a plurality of participants. Each participant defines an invocation pattern. A set of coordinator parameters are attached to each invocation pattern, where the set of coordinator parameters define interdependencies between parameters of the plurality of participants that are shared across their invocation patterns. A graph is constructed to carry out the negotiation of a set of actions to be performed by selected ones of the plurality of participants, with nodes of a first node type that represents a negotiating context or a second node type that represents a decision point. The participants construct the graph with primitives instantiated by the invocation patterns. At least one node in the graph is a decision point that merges two or more negotiation contexts into a single decision point. The single decision point combines values of the parameters from the two or more negotiation contexts.

Figures